

# 50 Ohm Coaxial Cable, RG213 BC, 95% BCB, SWB



## Construction

| Material         | Detail                                        | mm        |
|------------------|-----------------------------------------------|-----------|
| Inner Conductor  | Stranded Bare Copper ( SBC )                  | 7 x 0.75  |
| Dielectric       | Solid PE                                      | 7.25      |
| First Shield     | 34 AWG Bare Copper Braid ( BCB ) 95% coverage | N.A       |
| Inner Jacket     | PVC / LSZH                                    | 10.03     |
| Armour           | Steel Wire Braid ( SWB )                      | N.A       |
| Outer Jacket     | PVC / LSZH                                    | 13.60     |
| Fire Performance | IEC 60332-1                                   | N.A       |
| Bending Radius   |                                               | 10 x O.D. |

## Electrical Specification at 20°C

|                                |                  |
|--------------------------------|------------------|
| Impedance, $\Omega$            | 50 $\pm$ 3.0 Ohm |
| Capacitance, Nominal           | 100 $\pm$ 3 pF/m |
| Velocity of Propagation, %     | > 66 %           |
| Maximum Operating Voltage VRMS | 3.7 kV           |
| Spark Test                     | 5.0 kV           |

## Ordering Information

| P/N     | Product Description                                             | P.U       |
|---------|-----------------------------------------------------------------|-----------|
| RG3151B | RG213, BC. 95% Bare Copper Braid, PVC, SWB, , 50 Ohm, Armoured  | 500m/reel |
| RG3251B | RG213, BC. 95% Bare Copper Braid, LSZH, SWB, , 50 Ohm, Armoured | 500m/reel |

### Application

Any device that functions as a transmitter or transceiver tends to use 50 Ohm Coaxial Cable (e.g. radiocommunication and amateur radio, EMC test antenna cables). Typically lower loss than RG58. Steel wire braid provides outdoor protection against harsh handling.

Suitable for high EMI environments.

### Fire Rating

- IEC 60332-1, IEC 60332-3C (SWB)